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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	§	
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Arie ARIAV	§	
	§	
Serial No.: 10/627,738	§	
	§	
Filed: July 28, 2003	§	Group Art Unit: 2834
	§	
For:	§	
	§	
METHOD AND APPARATUS	§	
FOR BODY GENERATION OF	§	
ELECTRICAL ENERGY	§	Attorney Docket: 26537
	§	
Examiner: GONZALEZ, Julio C.	§	
	§	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

Sir:

This is in response to the Official Action of April 12, 2005, and is being filed within the three-month due date expiring July 12, 2005.

Please amend the above-identified patent application as follows:

Page 1, following the title, delete

Inventor: Arie Ariav

Page 1, following the title, add the following:

RELATED APPLICATION

5 The present application is related to Provisional Application 60,399,416, filed July 31, 2002, the priority date of which is hereby claimed.

Page 2, cancel the paragraph of lines 5–7, and substitute therefor the following paragraph:

10 According to one aspect of the present invention, there is provided a method for powering an implanted mechanical device by generating electrical energy from a subject's body, comprising: physically contacting an external surface of a part of the subject's cardiovascular system with a pulsation transducer to sense pulsations therein and to convert the pulsations into electrical energy; and utilizing the electrical energy to
15 power the implanted device.

Page 3. Cancel the paragraph of lines 7–10, and substitute therefor the following paragraph:

20 According to another aspect of the present invention, there is provided apparatus for powering an implanted medical device by generating electrical energy from a subject's body, comprising: a transducer constructed so as to be mountable in contact with an external surface of a part of the subject's cardiovascular system for sensing pulsations in the part of the subject's cardiovascular system and for converting the

pulsations into electrical energy; and output leads for connecting the output of the transducer to the implanted device.

Page 6, revise the paragraph of lines 7–13 to read as follows:

5 Fig. 3 illustrates another embodiment of the invention wherein the electrical transducer, therein generally designated 20, senses pulsations of the subject's heart 22 by means of one or more mechanical loops 24 looping the heart and the inner, circular flexible wall 25, corresponding to wall 15 in Figs. 1 and 2. Thus, the cyclical displacements of the inner wall 25 of electrical transducer 20 in Fig. 3 also produces a
10 uni-directional flow of the liquid within the annular chamber 21 to generate an electrical voltage in coil 23 having loops enclosing the annular chamber and having output terminals 23a, 23b for outputting the generated voltage.